

TECHNICAL GUIDE

Box Section/ERW

Box: EN10219	ERW: EN10305-5	COLOUR CODE	DESCRIPTION
S235JRH	E220+CR2		Structural Steel

TYPICAL ANALYSIS	
Car	
Sil	
Mang	
Phos	
Sul	
Chr	
Moly	
Van	

MECHANICAL PROPERTIES	
Tensile Strength N/MM2 Min Rm	
Yield Stress N/MM2 Min Rm	
Elongation A Min % on 5.65vSO	
Izod Min	
Kcv Min	
Proof Stress 0.2% N/MM2 Min	
Brinell Hardness	

INTERNATIONAL SPECIFICATION COMPARISON	
EN10219	S235JRH
EN10305-5	E220+CR2
GERMAN DIN	
FRENCH AFNOR	
SWEDISH SS	
AMERICAN SAE	
EUROPEAN STEEL NO.	
EUROPEAN STEEL NAME	
EUROPEAN STANDARD	

SIZE RANGE SUMMARY			
	Box/ERW	MM	20x20x2 - 120x80x5 mm

SEE STOCK RANGE FOR SPECIFIC SIZES.

QUICK VIEW SYSTEM	
MACHINEABILITY	
WELDABILITY	
HARDENABILITY	
SELECTION GUIDE AND USAGE EXAMPLES	